

MOSIN, A.F.

Radioprotective effects of some isothiuronium pyridazine derivatives.
Farm. i toks. z'vezd. 27 No.1 Pl-84 Ja-F '64.

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.

L 14153-66 EWT(m)
ACC NR: AF6001316

SOURCE CODE: UR/0248/65/000/009/0040/0044

AUTHOR: Mosin, A. F.; Ivanova, R. P.; Karabayev, E. M.

49

ORG: Institute of Medical Radiology, AMN SSSR, Obninsk (Institut meditsinskoy radiologii AMN SSSR)

B

TITLE: Energy-producing processes and post-radiation cell recovery

SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 40-44

TOPIC TAGS: cytology, yeast, biologic respiration, cell physiology, fermentation, ionizing radiation, radiation damage

ABSTRACT: Yeast cells were used in a study of respiration and fermentation, two processes intimately associated with cell recovery after irradiation. Intensity of respiration was found to be much higher in irradiated than in unirradiated cells, the rate being directly proportional to the dose. The experiments showed that yeast strains capable of recovery after irradiation consume much more oxygen than do strains that do not possess this capacity. The latter include haploids which lose their ability to multiply indefinitely after exposure to ionizing radiation.

UDC: 612.014.482 : [612.6.03 : 612.26]+617-001.28-07:616-003.63 Cl8]

Card 1/2

2

L 14153-66

ACC NR: AP6001316

The authors suggest that intensification of the oxidation processes in irradiated cells is a means of detoxifying the products generated by irradiation; it may also ensure the generation of macroergic compounds needed for repair of the injured macromolecules. A relationship was found between the restoration of irradiated yeast under anaerobic conditions and the cell concentration in suspension, the amount of glucose per cell being equal. The denser the cell suspension, the lower the level of recovery. This may be due to the accumulation of the end products of metabolism in the medium. Even with fairly low concentrations of alcohol (2-4%), recovery in the presence of glucose in dilute suspensions was greatly inhibited.

Orig. art. has: 2 figures, 2 tables.

ORIG REF: 004/ OTH REF: 002
SUB CODE: 06/ SUBM DATE: 05Jun65/

Card 2/2 JC

BOGDANOV, I.F.; BURTSEV, K.M.; KOROBOV, V.V.; LAVROV, N.V.; MOSIN, A.M.
Organic synthesis from carbon monoxide and water vapor. Trudy IGI
11:91-99 '59. (MIRA 13:6)
(Carbon monoxide) (Water vapor)

LAVROV, N. V.; akademik; MOSIN, A. M.; BOGDANOV, I. F.

Kinetics of hydrocarbon synthesis from carbon monoxide and water
vapor on a cobalt catalyst. Uzb. khim. zhur. no.4:62-66 '60.
(MIRA 13:9)

1. Institut energetiki i avtomatiki AN UzSSR.
2. Akademiya nauk UzSSR (for Lavrov).
(Hydrocarbons) (Carbon monoxide) (Water vapor) (Cobalt)

VASIL'YEV, S.F.; MOSIN, A.M.; LAPIDES, N.A.; Prinimali uchastiye: MISHENKO,
M.L.; OSTROVSKAYA, L.V.; FOMICHEV, V.F.; GUBBOTINA, G.V.; SHVEDOVA,
L.M.

Oxidative pyrolysis of lower hydrocarbons. Khim.prom. no.4:238-243
(MIRA 14:4)
Ap '61.

1. Institut goryuchikh iskopayemykh AN SSSR.
(Hydrocarbons) (Oxidation)

MOSIN, A.M.

Calculation of the processes in the synthesis of hydrocarbons
from carbon monoxide, hydrogen, and water vapor. Trudy IGI
(MIRA 14:3)
12:167-170 '61.
(Hydrocarbons) (Carbon monoxide) (Hydrogen) (Water vapor)

VASIL'YEV, S.F.; MOSIN, A.M.

Mixing of hydrocarbons and oxygen heated to high temperatures in the
process of oxidative pyrolysis. Trudy IGI 16:66-72 '61.
(MIRA 16:7)

(Hydrocarbons) (Oxygen) (Pyrolysis)

VASIL'YEV, S.F.; MOSIN, A.M.

Certain indices for the design of oxidative pyrolysis units. Trudy
(MIRA 16:7)
IGI 16:73-82 '61.
(Hydrocarbons) (Pyrolysis)

ARTYUKHOV, I.M., DINER, I.S., VASIL'YEV, S.F., LAPIDES, A.A., MOSIN, A.M.

Production of olefins by pyrolysis of petroleum products .

Report presented at the 12th Conference on high molecular-weight compounds
devoted to monomers, Baku, 3-7 April 62

VASIL'YEV, S.F.; LAPIDES, N.A.; MOSIN, A.M.

High-temperature flameless oxidation of hydrocarbons as a means
of obtaining olefinic monomers. Khim.i tekhnopl.i masel 8
no.2:10-14 F '63. (MIRA 16:10)

1. Institut goryuchikh iskopayemykh Gosudarstvennogo komiteta
Soveta Ministrov SSSR po toplivnoy promyshlennosti.

REGARDING THE PROBLEMS IN THE POLITICAL
PROBLEMS IN THE POLITICAL SITUATION IN THE U.S.S.R.
PROBLEMS IN THE POLITICAL SITUATION IN THE U.S.S.R.
PROBLEMS IN THE POLITICAL SITUATION IN THE U.S.S.R.
PROBLEMS IN THE POLITICAL SITUATION IN THE U.S.S.R.

127-84-7-15 '70

AUTHOR: Mosin, A.Ye., Mining Engineer

TITLE: Short-Delay Blasting During the Sinking of Horizontal Shafts
(Korotkozamedlennoye vzryvaniye pri prokhodke horizontal'nykh
vyrabotok)

PERIODICAL: Gornyy zhurnal, 1958, Nr 7, pp 73-74 (USSR)

ABSTRACT: The use of charges with 12-grading delay at biotite gneiss
mines increased the speed of horizontal shaft sinking by 13%.
These special electro-detonators were fabricated by the firm
of Shaffler. Soviet industry now produces detonators with
6-graded delays which give almost the same effect but diminish
the number of bore holes. The author advises production of
detonators with a larger number of graduated delays.
There are 2 figures and 1 table.

Card 1/1

1. Explosives-Blasting-Methods

MOSIN, A.Ye., gorn.inzh.

Short-delay blasting in underground mining. Gor.zhur.
no.8:46-48 Ag '60. (MIRA 13:8)
(Mining engineering)

MOSIN, A.Ye., gornyy inzh.

Effect of the methods of blasting and the hardness of carbonate rocks on crushing in breaking by means of blasting. Vzryv.
(MIRA 16:8)
dela no.53/10:203-207 '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii.
(Granular materials) (Blasting)

GLUSKIN, L.I., kand. tekhn. nauk; MOGIN, A.Ye., inzh.

Using igdanite and charges with air pockets in Samara Bend
quarries. Vzryv. delo no.54/11:330-334 '64.
(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh
stroitel'nykh materialov i gidromekhanizatsii.

ROBINSON, D. F.

Major / Major
Services, Office
of Pioneer, U.S.A.

Directorate of Intelligence, Defense Intelligence Agency, Defense CIO, D. I. A.
National Defense University, Washington, D. C.,
Gaines, D. F., USA, 1970

"B-6" 10

The Director, Defense Intelligence Agency, Defense CIO, D. I. A.
recently furnished the following information concerning its experience with respect to
relating to the development and manufacture of heat resistance glass for aircraft
engines, aircraft, aircraft engines, aircraft
surfaces.

PA 9734

S/121/60/000/007/009/011

AUTHOR: Mosin, F.M.TITLE: The Practice of Designing Specialized Machine Tools¹⁴

PERIODICAL: Stanki i Instrument, 1960, No. 7, pp. 31-33

TEXT: The author describes the special design of a gear hobbing machine which was developed and built by a Soviet plant. The machine was designated for preliminary hobbing of different gears of the rear axle stay of the CK-3 (Sk-3) combine and represents an assembly of separate gear hobbing machines on one bed of 8,590 mm length. Each machine unit is driven by a separate electromotor by a V-belt drive. The milling slide design is identical with that of the 5Д32 (5D32) gear hobber, while the cylindrical gearing transmission and the bevel gearing are reinforced by 25-35%. In order to facilitate the assembling conditions, the feed mechanism was built in the form of a separate unit. Different feeds are obtained by changing the number of hobbing cutter entries and using feed spindles with different pitches for the carriage displacement. A special feature of this machine is the arrangement of a group¹⁴ of machine tools on one common bed. The first group consists of five machines, two other groups of blocks of three machines

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Card 1/2

The Practice of Designing Specialized Machine Tools

S/121/60/000/007/009/011

each. For this purpose the long beds of old lathes with flat bedways were used. The stand and carriage designs were adopted to the bed profile. By using a common bed, the floor space of the machine was reduced by 2.5 - 3 times, and good attendance conditions were ensured. There are 2 photos and 3 tables.

Card 2/2

PHASE I BOOK EXPLOITATION

SOV/4100

Mosin, Fedor Vasil'yevich

Mekhanizatsiya v trubogibochnym proizvodstve (Mechanization of Tube Bending)
Leningrad, Tsentr. byuro tekhn. inform., 1959. 51 p. (Series: Obmen
proizvodstvennym optyom) 1,000 copies printed.

Sponsoring Agency: RSFSR. Sovet narodnogo khozyaystva. Leningradskiy ekonomicheskiy
administrativnyy rayon.

Scientific Ed.: M.I. Kiselev; Ed.: M.A. Giricheva; Tech. Ed.: A.V. Semenova.

PURPOSE: This book is intended for workers in the field of tube cutting and bend-

ing.
Card 1/2
COVERAGE: The author presents modern methods for bending, cutting, cleaning, ex-
panding, beading and flanging of tubes used in the Soviet Union and other coun-
tries. He also describes physical processes taking place in cold bending of
tubes, and the machinery used in these operations. No personalities are men-
tioned. There are 19 references: 15 Soviet, 3 German and 1 English.

FOSSIN, F.M., ROMANOVSKY, V.I., "CIA-REF ID: A171"

[We thank you for your interest in our publications. We publish universal literary, historical, and scientific books. Many of our university texts are used in many countries. Many of our books are also used in schools.

MOSIN, Fedor Vasil'yavich; ROMANOVSKIY, V.P., kand. tekhn. nauk,
retsenzent; LISITSYN, V.D., kand. tekhn.nauk, red.;
VARKOVETSKAYA, A.I., red. izd-va; SHCHETININA, L.V., tekhn.
red.

[Technological processes for the manufacture of articles from
pipe] Tekhnologiya izgotovleniya detalei iz trub. Moskva,
Mashgiz, 1962. 171 p. (MIRA 15:4)
(Pipe) (Machine-shop practice)

MOSIN, G.

The "22d Congress of the CPSU" Milling Combine. Minsk.-elev.
(MIRA 16:7)
prom. 28 no.1:6 Ja '62.

1. Orlovskiy mel'nicnyy kombinat imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza.
(Orel Province—Flour mills)

DUGAIKOV, G.V., kand.tekhn.nauk, dotsent; TKACHENKO, K.T.; MILETICH, A.F.;
SKRYNNIKOV, K.A., gorn.inzh.; ROMENSKIY, L.P.; CHERNIKOV, G.F.;
HOSIN, I.M.

Improved methods and instruments for air depressurization readings.
(MIRA 11:7)
Izv. DGI 31:58-68 '58.
(Mine ventilation)

MOSIN, I.M., assistant

Effect of thermal depression on the ventilation of mines during
fires. Izv. DGI 31:104-111 '58.
(Mine ventilation)

KREMNEV, O.A. [Kremn'ov, O.O.]; MOSIN, I.M.

Theoretical foundations for calculating the temperature conditions
of workings during mine fires. Dop. AN UkrSSR no.11:1487-1490 '61.
(MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR i Dnepropetrovskiy gornyy
institut.
(Mine fires)

ABRAMOV, F.A., prof., doktor tekhn.nauk; MOSIN, I.M., gornyy inzh.;
KREML'EV, O.A., prof., doktor tekhn.nauk

Control of mine ventilation in case of fire. Ugol' Ukr. 6
(MIRA 15:2)
no.2:41-42 F '62.

1. Dnepropetrovskiy gornyy institut (for Abramov, Mosin).
2. Institut teploenergetiki AN USSR (for Kremlev).
(Mine ventilation)
(Mine fires)

MOSIN, I.M., inzh.

Determining the thermophysical constants of coals and rocks
at high temperatures. Izv.vys.schek.zav.,gor,zhur. 7 no. 4:
(MIRA 17:7)
3-9 '64.

1. Dnepropetrovskiy orlenko Trudovogo Krasnogo Znameni gornyy
institut imeni Artyoma. Rekomendovana kafedroy ventilyatsii i
tekhniki bezopasnosti.

MOA, 1.1.1; YABUWATI, 1.1.

1.1. Tabel 1.1.1.
1.1.1. Incidence of arrhythmia in various heart diseases s. Kas. 1961.
1.1.2. Incidence of arrhythmia in various heart diseases s. Kas. 1961.
1.1.3. Incidence of arrhythmia in various heart diseases s. Kas. 1961.

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320011-4"

POV.S, L.I.

Intermittent episodes of pain in the chest.
Kardiologicheskaya poliklinika No. 1
... I have just got assigned to the cardiology unit.
... My name is Dr. Tarasova.

MOSIN, L.I.

Comparative evaluation of electrocardiographic, vector-cardiographic, and ballistocardiographic data in the diagnosis of chronic coronary insufficiency. Uch. zap. Stavr. gos. med. inst. 12:426-427 '63. (MIRA 17:9)

1. Kafedra vnutrennikh bolezney stomatologicheskogo fakul'teta (zav. dotsent M.B. Rafalovich) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

MOSIN, L.I.i YAKOVLEV, V.M.

Characteristics of the vectorcardiogram in elderly and
senile people. Uch. zap. Stavr. gos. med. inst. 12:
428-429 '63. (MIRA 17:9)

1. Kafedra vnutrennikh bolezney stomatologicheskogo fakul'teta
(zav. dotsent M.B. Rafalovich) Stavropol'skogo gosudarstvennogo
meditsinskogo instituta.

MOSIN, L.I.; YAKOVLEV, V.M.

Disorders of the function of irritability in various heart
diseases. Sov. med. 28 no.4:24-29 Ap '64. (MIRA 17:12)
1. Stavropol'skaya gorodskaya klinicheskaya bol'nička No.4
(glavnyy vrach A.A. Tarasova).

MOSIN, L.M.; YAKOVLEV, V.M.

Gallop rhythm of the heart. Vrach. delo no. 2:138-139 F#64
(MIRA 17:4)

1. Stavropol'skaya gorodskaya klinicheskaya bol'nitsa No.4
i kafedra fakultetskoy terapii (zav. - dotsent N.A. Anshev)
Stavropol'skogo meditsinskogo instituta.

MOSII, M., inzh.

Made in Lugansk. Sov.shakht. 10 no.7:15-16 Jl '61.
(MIRA 14:8)
(Lugansk--Coal mines and mining--Safety appliances)

MOSIN, M.I.

Second scientific conference of young specialists of the Institute of
History of Natural Sciences and Technology. Vop.ist.est. i tekhn.
no.2:312-313 '56. (MLRA 10:1)
(Academy of Sciences of the U.S.S.R.)

MOSIN M. I.

MOSIN, M.I.

The third scientific conference of research students and junior
scientific workers of the Institute of the History of Natural
Sciences and Technology of the Academy of Sciences of the U.S.S.R.
Vop. ist. est. itakh. no. 4:210-211 '57. (MIRA 11:1)
(Academy of Sciences of the U.S.S.R.)

MOSIN, M.I.

One-hundredth anniversary of K.E. Tsiolkovskii's birth. Vop. ist.
(MIRA 12:6)
est. i tekhn. no.6:224 '59.
(Tsiolkovskii, Konstantin Eduardovich, 1857-1935)

MOSIN, M. I.

Plenary session of the Committee of the Soviet National
Association of Historians in Science and Technology. Vop.
ist. est. i tekhn. no. 3:1959 '59. (MIR 13:5)
(Science)

MOSIN, M.I., KATS, G.I., SHEVYAKOV, L.D., akademik, red.; SHUKHARDIN, S.V., red.; AGOSHKOV, M.I., red.; BORISOV, S.F., red.; BYSTROV, N.M., red.; KISLOV, V.N., red.; KRAKEMALEV, M.K., red.; KUZNETSOV, N.A., red.; MAN'KOVSKIY, G.I., red.; MEL'NIKOV, N.V., red.; POLKOVNIKOV, A.A., red.; POPOV, K.S., red.; CHAYKIN, S.I., laureat Leninskoy premii, red.; GONCHAROVA, Ye.A., tekhn. red.

[Kursk Magnetic Anomaly; history of the discovery study, and commercial development of iron-ore deposits. Collection of documents and materials in two volumes, 1742-1960] Kurskaia magnitnaiia anomaliiia; istoriia otkrytiia, issledovani i pro-myshlennogo osvoeniiia zhelezorudnykh mestorozhdenii. Sbornik dokumentov i materialov v dvukh tomakh, 1742-1960. Belgorod, Belgorodskoe knizhnoe izd-vo. Vol.1. 1742-1926. 1961. 417 p. (MIRA 15:3)

(Kurak Magnetic Anomaly--Iron ores)
(Magnetic prospecting)

KOJIN, M.I.; KATS, G.I.; KUZNETSOV, N.A.

[Kursk Magnetic Anomaly. History of its discovery, study,
and the industrial adoption of its iron ore deposits; col-
lection of documents and materials in two volumes, 1742-
1962] Kurskaja magnitnaja anomalija. Iстория открытия, ис-
следования и промышленного освоения земельных месторы-
зодий; сборник документов и материалов в двух томах
1742-1962. Belgorod, belgorodskoe knizhnoe izd-vo. Vol.2.
1926 - 1962. 1962. 620 p. (MIRA 17:8)

MOSIN, N.

Our method of working the main drift. Mast. ugl. 4 no.2:12-13
F '55. (MLRA 8:6)

1. Brigadir prokhodchikov shakhty imeni Vakhrusheva kombinata
Kuzbassugol'.
(Kuznetsk Basin--Coal mines and mining)

SILIN, N., inzh.; MOSIN, N., inzh.

Modernization of electric circuits turning and changing the
reach of the KP1-5-25 crane. Rech. transp. 24 no.7:20-21 '65.
(MIRA 18:8)

I. Gor'kovskiy rechnoy port.

MOSIN, N.I.

Mechanizing loading and unloading operations at rubber plants.
Kauch. i rez. 16 no.6:29-33 Je '57. (MIRA 10:10)

1. Moskovskiy shinnyy zavod.
(Rubber industry) (Loading and unloading)

AUTHOR: Mosin, N. I.

138-1-6/16

TITLE: To Improve the Conditions of Work in Plants of the Rubber Industry. (Oz dorovit' usloviya truda na zavodakh rezinovoy promyshlennosti).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.1. pp. 22 - 23. (USSR).

ABSTRACT: Chalk, kaolin, talcum and carbon black - which are all powdery materials, are used in the industry. Kaolin and chalk are used not only in rubber mixtures; together with talcum they are used in the manufacture of rubber foils, and other semi-finished products. Drawbacks of these materials are discussed, especially those of talcum. Carbon black produces a great quantity of dust (losses amount to 2 - 2.5%). Granulated carbon black contains 20 - 30% of carbon dust, and a further 25% is lost in industry when using non-granulated carbon black. Systematic investigations were carried out by workers in various plants and members of the Research Institute and Construction Departments of the Rubber Industry; their recommendations to minimise the losses in industry are discussed. Various shortcomings in the factory Rezinoproyekt regarding the storage and transport of carbon black are pointed out.

Card 1/1

ASSOCIATION: Moscow Tyre Factory. (Moskovskiy shinnyy zavod).

AVAILABLE: Library of Congress.

MOSIN, N.I., inzh.; BELKINA, N.N., red.; KAMYSHNIKOVA, A.A.,
tekhn. red.

[Collection of inventions; textile and knit goods industry]
Sbornik izobretenii; tekstil'naia i trikotazhnaia pro-
myshlennost'. Moskva, Tsentral'noye biuro tekhn. informatsii, 1961.
204 p. (MIRA 15:5)
1. Russia (1923- U.S.S.R.) Komitet po delam izobreteniy i ot-
krytiy.

(Textile industry—Technological innovations)
(Knit goods industry—Technological innovations)

MOSIN, Nikolay Ivanovich; BOLTAYEVA, M.F., red.; ZAZUL'SKAYA, V.F.,
tekhn. red.

[Manufacture of rubber footwear] Proizvodstvo rezinovoi obuvi.
Izd.2., perer. i dop. Moskva, Goskhimizdat, 1962. 333 p.
(MIRAI5:11)

(Boots and shoes—Rubber)

MOSIN, S.V.

Problem of calculating horizontal core marks. Lit.proizv. no.2:28-29
(MLRA 7:4)
Mr-ap '54.
(Pounding)

Mosin V.A.
KUZNETSOV, G.A., kand.ekon.nauk; NEGOVSKIY, V.S.; TARASOV, A.A.; MOSIN, V.A.

Urgent problems of land exploitation on virgin land state farms.
Zemledelie 6 no.4:73-76 Ap '58. (MIRA 11:4)
(Kazakhstan--State farms)

88169

13,2000
6.9419

S/144/60/000/010/006/010
EO73/E535

AUTHORS: Lobashevskiy, L.V., Mosin, V.G. and Tuktayev, I.I.,
Engineers

TITLE: On Reducing the Width of Brushes for Low Power
Commutator Motors

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika,
1960, No 10, pp.78-81

TEXT: In small commutator motors the brush width is determined purely by mechanical considerations. Use of end face commutators with the brushes running on the flat surface would eliminate some of the difficulties involved in using narrow brushes on conventional cylindrical commutators. To investigate the operation of narrow brushes on commutators of this type, the authors used a 1 kW, 3000 r.p.m. electric motor. Reduction of the brush width was effected by filing the contact face of the brushes. Thereby, the mass of the brushes changed only insignificantly and the pressure on them remained constant at about 100 g. The wider brush covered 1.43 commutator bars, whilst the narrow brush covered only 0.88 bars. The results have shown that by using the narrow brushes the radio noise was reduced by 30% and the sparking also decreased. According Card 1/4

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88169

S/144/60/000/010/006/010
E073/E535

On Reducing the Width of Brushes for Low Power Commutator Motors

to N. P. Yermolin (Ref.12) use of such end face type commutators and narrow brushes is very promising for high r.p.m. machines. For investigating the potentialities of such a machine the NII Branch produced a 1 kW, 15000 r.p.m. machine. The machine was first fitted with an armature with a cylindrical commutator; in this case the degree of sparking was "2 balls". Following that, it was fitted with an armature with an end face type commutator. The radio noise was measured that was generated with wide and with narrow brushes. The results are given in Table 1. Attention is drawn to the fact that in the case of using narrow brushes the excitation ampere turns decreased by about 10%. The following conclusions are arrived at:

1. Use of narrow brushes on end face type commutators in small machines improves the commutation owing to better utilization of the mass of the brushes and narrowing of the commutation zone.
2. Reduction of the pressure when operating with narrow brushes on end face type commutators reduces the friction losses and reduces the wear of the brushes and of the commutator.
3. In the case of a steep front increase of the inductance in the

Card 2/4

88169

S/144/60/000/010/006/010
E073/E535

On Reducing the Width of Brushes for Low Power Commutator Motors
commutation zone, a narrow brush can be placed more accurately into
the neutral zone.
4. Narrowing of the commutation zone permits reducing the dimensions
of the additional poles.
5. Application of narrow brushes on end face type commutators leads
to a reduction in the generated radio noise.
6. A more efficient utilization of the active conductors of the
armature winding in the case of using narrow brushes enables
reducing the excitation ampere turns, which is particularly
important in small motors.
7. In using narrow brushes the dimensions of the current collecting
system can be considerably reduced.
8. Narrow brushes enable reducing the reaction caused by the
commutating currents.

There are 1 table and 12 Soviet references.

ASSOCIATION: Tomskiy filial nauchno-issledovatel'skogo instituta
(Tomsk Branch of the Scientific Research Institute)

SUBMITTED: October 30, 1959
Card 3/4

85169

S/144/60/000/010/006/010
E073/E535

On Reducing the Width of Brushes for Low Power Commutator Motors

Table 1

Number of Commutator Bars Covered by the Brush	Brush polarity	Radio noise, μ V, frequency Mc/s				Sparking in "balls" according to ГОСТ (GOST) <i>X</i>
		0.16	0.25	0.35	20	
2.4	+	2400	2500	950	200	2
	-	2700	3000	1200	1400	
1.6	+	1800	2400	800	45	$1\frac{1}{2}$
	-	2000	2000	750	30	
0.86	+	1200	1400	500	45	$1\frac{1}{4}$
	-	1500	1700	700	30	

Card 4/4

MOSIN, V. G.; PASHININ, P. M.

C-reactive protein in anginas. Vest. otorin. no. 3:19-23 '62.
(MIRA 15:6)

1. Iz kafedry mikrobiologii (nach. - prof. A. A. Sinitskiy)
Voyennno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova,
Leningrad.

(TONSILS--DISEASES) (PROTEINS)

DASSININ, F.M.; MOSIN, V.V.

G-reactive protein in influenza and acute catarrh of the respiratory tract. Zmir.mikrobiol., ep'd. 1 '65. L2 no.3:126-130 Mr '65.

(MIRA 19:6)

1. Vsesoyuzno-meditsinskaya otdeleniya Len'skoi akademiiya zdravookhraneniya.

MOSIN, V.G., mayor meditsinskoy sluzhby

Pathogenic treatment of tonsillitis as a basic method for
the prevention of its recurrence. Voen.-med. zhur. no.2:
50-52 '65. (MIRA 18:11)

MOSIN, V.I.

Effect of low temperature, drying and removing sprouts
on the germination of pine seeds. Izv. Ak Kazakh. SSR.
Ser. biol. nauk 3 no. 6: 29-36 N-L '65.
(УДК 571.59)

MOSIN, V.I.

Stimulating pine seed germination by chemical reagents.
Trudy Inst. biol. UFAN SSSR no. 43:173-178 '65
(MIRA 10:1)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo
khozyaystva.

Country : USSR
Category : CULTIVATED PLANTS. POTATOES. Vegetables. Cucurbits.

M

Abs. Jour. : REF ZHUR-BIOL., 21, 1958, NO. 95991

Author : Mosin, V.K.
Institut. : Sumsk State Agricultural Testing Station
Title : The Effect of Fertilizers on the Potato Yield on
Thick Weakly Alkaline Chernozem Soil

Orig. Pub. : Byul. nauchno-tekhn. inform. Sumsk. gos.s.-kh.
opytn. st., 1957, vyp. 3, 23-30

Abstract : The tests were made to study the action of various fertilizers on the formation of organs of assimilation and the aggregate tuber yield. Tubers weighing 70-100 grams of the Lorkh variety were planted. During the formation of the green tops the potatoes were extremely responsive to the application of manure and mineral fertilizers. The methods and forms of fertilizer application are described, as is the role of N, P and K in different methods of placement during tuber formation.

Card: 1/2

"OSIN, V.K., Cand agr sci -- (diss) "Peculiarities
of potato fertilizers on the poorly lixiviated
chernozem of Sumshchina." Sumy, 1940, 24 pp (All-
Union Sci Res Inst of Fertilizers and Agrosoil
Science) 14. no ies (KL, 29-5c, 131)

- 95 -

MOSIN, V.K.

Effect of fertilizers on the formation of the root system of potatoes.
Fiziol. rast. 9 no.3:297-302 '62. (MIRA 15:11)

1. Sumskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya
stantsiya, Sumy.
(Potatoes—Fertilizers and manures)
(Roots (Botany))

MOSIN, V.N.

Using multipurpose attachments with interchangeable parts
in experimental production processes. Mashinostroitel' no.12 '37
(MIRA 14:12)
D '61.
(Factory management)

ZHIL'TSOV, Vladimir Nikolayevich; MOSIN, Yevgeniy Tikhonovich; SERGEYEVA,
A.I., inzh., red.; VERINA, G.P., tekhn.red.

[Arrangement and maintenance of the track of the Moscow subway]
Ustroistvo i soderzhanie puti Moskovskogo metropolitena. Moskva,
Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniya,
1960. 29⁴ p. (MIRA 13:5)
(Moscow--Subways--Maintenance and repair)

MOSIN, V.V.

YEMEL'YANOV, L.V., inzhener [redaktor]; MOSIN, V.V., slesar'-novator.

[Progressive methods in repairing metal-cutting machines; practice of machinist-innovator V.V.Mosin at the Nevskiy Machine-Building Plant imeni Lenin] Perekovye metody rekonta metallorezhushchikh stankov; opyt slesaria-novatora V.V.Mosina na Nevskom mashinostroitel'nom zavode imeni Lenina. Moskva, Gos. izd-vo mashinostroit. lit-ry, 1952. 18 p. (MLRA 6:7)

1. Nevskiy mashinostroitel'nyy zavod imeni Lenina (for Mosin).
(Metal cutting)

MOSIN, Viktor Vasil'yevich; KUR'YANOVA, O.V., red.; PRESNOVA, V.A.,
tekhn. red.

[Fast and reliable repairing] Remontirovat' bystro i nadezhno.
Leningrad, Lenizdat, 1962. 75 p. (MIRA 16:2)

1. Rukovoditel' Instrumental'nogo tsekha Nevskogo mashino-
stroitel'nogo zavoda im. V.I.Lenina (for Mosin).
(Machine tools--Maintenance and repair)

KOSIN, V.V., dotsent.

New concepts in the methodology of novocaine block in animals.
Veterinariia 30 no.1:33-37 Ja '53. (MLRA 6:1)

1. Kazanskiy gosudarstvennyy veterinarno-zootekhnicheskiy institut
imeni N.E. Baumana.

MOSIN, V. V., Cand Vet Sci -- (diss) "Results of Clinical and Experimental Investigations of Suprapleural Novocaine Blockade of the Gastric Nerves and Abdominal Sympathetic Trunks During Abdominal Operations, Peritonitis, Inflammation of the Abdominal and Pelvic Cavities in Animals." Kazan', 1957. 34 pp. (Min Agr USSR, ^{Kazan'} Vet Int im N. E. Bauman), 160 copies. List of author's works at end of book (10 titles). (KL 7-58, 111-112)

MOSIN, Vasilii Vasil'yevich; SHAPOSHNIKOVA, A.N., red.; YARNYKH, A.M.,
red.; GUREVICH, M.M., tekhn.red.

[Recent developments in the treatment of inflammations of the
abdominal organs in animals; methodology] for veterinary
physicians] Novoe v lechenii vospaleniiia organov briushnoi polostsi
u zhivotnykh; metodicheskoe posolie dlia veterinarnykh vrachei.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 53 p. (MIRA 13:1)
(Abdomen--Diseases) (Veterinary medicine) (Novocaine)

EVRANOV, V.G., dotsent, kand. veterin. nauk; PAVLOVSKIY, Ye.N., prof. otv.red.; VASNETSOV, N.V., prof., red.; VERESHCHAGIN, M.N., prof., red.; ZAITSEV, V.G., prof., red.; KAZAKOV, Kh.Sh., prof., red.; MOSIN, V.V., prof., red.; STUDENTSOV, A.P., prof., red.; GALEYEV, V.V., dotsent, red.; LYSOV, V.F., dotsent, red.; RABINOVICH, M.P., dotsent, red.; SABIN, I.M., dotsent, red.

[Methods for the laboratory diagnosis of the principal helminthiases of farm and commercial animals and a comparative analysis of their efficiency]. Metody laboratornoi diagnostiki slavneishikh gel'mintozov sel'skohoziaistvennykh promyslovnykh zhivotnykh i srovnitel'nyi analiz ikh effektivnosti. Kazan', 1960. 417.p.
(Kazan. Veterinarnyi institut. Uchenye zapiski, vol. 72).
(MIRA 17:7)

YERSHOV, B.P., MOSINA, A.S.

Determination of methylol groups in phenolic resins. Zhur. anal. khim. 15 no.2:243-244 Mr-Ap '60. (MIRA 11-2)

1. Nauchno-issledovatel'skiy i proyektnyy institut plasticheskikh mass, Moskva.

(Phenol condensation products)

YAKUBOVICH, S.V.; ZUBCHUK, V.A.; KURBATOVA, O.G.; Prinimali uchastiye:
PERESVETOVA, M.P.; MOSINA, L.V.

Dependence of the properties of coatings based on pentaphthalic
binders on the volume concentration of pigments. Lakokras.-
mat. i ikh prim. no.1:12-16 '62. (MIRA 15:4)
(Films (Chemistry)) (Pigments)

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APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320011-4"

USSR/Zooparasitology - Parasitic Worms.

G

Abs Jour : Ref Zhur Biol., No 1, 1959, 990

Author : Mosina, S.K.

Inst : Kaz. Veterinary Institute

Title : Study of Helminthiasis in Geese in the Tatar Republic

Orig Pub : Uch. zap. Kaz. sk. vet. in-ta, 1957, 68, 134-137

Abstract : In the dissection of domestic geese from different districts of the republic there were most often reported Dryptadium, Hymolepis and Ga. galeatum [?] infestation...

Card 1/1

- 22 -

SHAPIRO, I.I.; MIKHAYLOV, D.V.; MOSINA, T.S., inzh.; YEVLAMPIYEVA, V.M., inzh.; KASHINTSEVA, L.M., inzh., red.; BLIZHEVSKIY, L.A., inzh., red.; SEREBRYAKOV, V.M., inzh., red.; KHARITONOV, A.B., inzh., red.; GLINKA, N.T., inzh., red.; KHISIN, R.I., inzh., red.; SOROKINA, G.Ye., tekhn.red.

[General engineering norms for cutting conditions and time for use in the technical standardization of machining on lathes; lot production] Obshcheshinostroitel'nye normativy rezhimov rezaniya i vremeni dlya tekhnicheskogo normirovaniya rabot na tokarnykh stankakh; seriiroe proizvodstvo. Moskva, Gos.sauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 224 p. (MIRA 13:12)

1. Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'noye byuro promyshlennyykh normativov po trudu. 2. Zaveduyushchiy otdelom mashinostroyeniya TSentral'nogo byuro promyshlennyykh normativov po trudu pri Nauchno-issledovatel'skom institute truda (for Shapiro).
3. TSentral'noye byuro promyshlennyykh normativov po trudu pri Nauchno-issledovatel'skom institute truda (for Mikhaylov, Mosina, Yevlampieva).
4. Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov (for Kashintseva, Blizhevskiy).
5. Stankozavod im. S.Ordzhonikidze (for Serbryakov).
6. Moskovskiy stankostroitel'nyy zavod (for Kharitonov).
7. Vsesoyuznyy proyektno-tehnologicheskiy institut Tyazhmash (for Glinka).

(Metal cutting) (Lathes)

L 37679-66 EWT(1) GD
ACC NR. AT6022321

SOURCE CODE: UR/0000/66/000/000/0057/0064

AUTHOR: Mosina, V. F.; Shuvalova, M. N.

ORG: none

TITLE: Horizontal scanning designed with the use of thyristors

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.
Sektsiya televizionnyi. Moscow, 1966, 57-64

TOPIC TAGS: tv scanning, tv equipment, tv receiver, semiconductor device, thyristor/
UD-63K thyristor

ABSTRACT: An attempt to use thyristors in the horizontal sweep circuit of a tv receiver is briefly reported. Well-known thyristor characteristics are explained; the thyristor recovery time can be reduced to a fraction by negative-current turn-off techniques (F. D. Bate, Wireless World, June 1965). The T. Tarui thyristor-type sweep circuit is shown, and the principles involved are discussed (A. Samuel et al., IEEE Trans., BTR-9, 1963). Some desultory experimental data is reported. The Soviet-made UD-63K thyristor has these parameters: maximum voltage, 300 v; turn-on time, 10 μ sec; recovery time, 35 μ sec; forward-current peak, 10 amp. A few specimens could operate in the sweep circuit at 15.625 kc; others, at 14.7 kc. The circuit consumption was 18 w (supply voltage, 80 v). Power loss in the nonconducting thyristor, 8 w; it can be reduced by using a thyristor with a lower residual voltage. Orig. art. has: 3 figures and 6 formulas. [03]

SUB CODE: 17.03/ SUBJ DATE: 24Mar66 / ORIG REF: 002 f THE REV. 002

see
Card 1/1

MOSINA, V.M.

VEDERNIKOV, V.A., professor; MOSINA, V.M., ordinator

Treatment of pemphigus with penicillin and hypnotherapy. Vest. ven.
i derm. no.5:54 S-0 '54. (MLRA 7:11)

1. Iz kliniki kozhnykh i venericheskikh bolezney Arkhangel'skogo
meditsinskogo instituta.

(PEMPHIGUS) (PENICILLIN)

(HYPNOTISM--THERAPEUTIC USE)

MUSINETS, V. I.

BELYAYEV, A F

AUTHOR: Solomonov, M. GOV/24-58-5-50/31
TITLE: Scientific-Method Conference on the Problem of
Breaking-up Rocks by Explosives (Pervoye nauchno-
metodicheskoye soveshcheniye po problemе drobleniya
gornykh porod varyvom)
PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, Nr 5, pp 143-144 (USSR)
ABSTRACT: On February 24-26, 1958 a conference was held on breaking-
up rocks by explosions at the Institute of Mining, Ac.Sc.,
USSR (Institut Gornogo Dela AN SSSR). 100 people from
32 towns participated and the participants included
representatives of Works, Research Institutes of the
Ac.Sc. from various parts of the Soviet Union,
departmental research institutes and of higher teaching
establishments.

Card 5/5

Following papers were presented:
"A new test for the examination of explosives in
crushing operations" by L. I. Baron, B. D. Rossi,
Institute of Mining, Ac.Sc., USSR;
"An investigation of the brittleness according to Hess as
a characteristic of the properties of explosives in
breaking-up rocks" by S. P. Levichik, Institute of
Mining, Ac.Sc., USSR;
"On the influence of the explosive characteristics
of explosives on the quality of breaking down of highly
fissured and flooded rocks" by V. I. Kosinets,
Institute of Non-Ferrous Metals and Gold;
"On the laboratory technique of determining the breaking-
up of rocks" by L. I. Baron, R. V. Orlov, V.M. Kubatov,
Institute of Mining, Ac.Sc., USSR.
In the section relating to determining the dimensions of
fragments the following papers were presented:
"On the quantitative indices of the quality of
breaking-up of rocks and the technique of their
determination during work with explosives in railroad
construction." by Ye. Yu. Brodov, USSR;

BALANOV, Ye.S., man. to Jan. name; MAXIM I., V.I., zani. to 1. 1.

Relation of contacts with preliminary information, the need
to be broken. Ser. name. no.7 30-34. In "Gazeta Pravdy"

1. Institutions and organizations of Right Wing Activists

MOSINETS, V. N.: Master Tech Sci (diss) -- "Investigation of the parameters
of drilling and blasting work in the open-pit development of ore deposits".
Moscow, 1959. 24 pp (Min Higher Educ USSR, Moscow Inst of Nonferrous Metals
and Gold im M. I. Kalinin), 160 copies (KL, No. 7, 1960, 110)

PAVLOV, K.V., dotsent; MOSIMETS, V.M., inzh.

Investigating the effect of elongated charge blasting by the method of determining efficient parameters of boring and blasting operations in open-cut mines. Izv. vys. ucheb. zav.; gor. zhur. no.12:57-69 '58. (MIRA 12:8)

1. Moskovskiy institut tsvetnykh metallov i zolota im. M.I. Kalinina.

(Boring) (Blasting)

S/081/61/000/019/061/085
B117/B110

AUTHORS: Baranov, Ye. G., Mosinets, V. N.

TITLE: Study of blasting characteristics of industrial explosives depending on their moisture content

PERIODICAL: Referativnyy zhurnal. Khimiya, no 19, 1961. 406. abstract 19L462 (Izv. AN KirgSSR. Ser. yestestv i tekhn n., v 2, no. 2, 1960, 65 - 90)

TEXT: The authors tried to estimate the resistance to water of a number of ammonites (A) and the possibility of using them in powder form in watered boreholes by determining their explosive effect and the working capacity of A mixtures with different amounts of water (0 - 67%). Ammonites no. 6*8(6ZhV), 8-3 (V-3), BA-4 (VA-4), mining explosive no. 1 and mixtures of no. 6ZhV with tetryl, were tested. Most of the tests gave incomplete explosion due to a small explosive charge (diameter 40 mm) and an insufficient initial impulse (detonator no. 8). In the author's opinion, the mining explosive no. 1, and VA-4, are best suited for work in water among the ammonites tested. Ammonites in compressed form or in Card 1/2 ✓

Study of blasting characteristics

S/081/61/000/019/061/08
B117/B1-C

the form of cartridges should be used in boreholes with an intense water flow. [Abstracter's note: Complete translation]

Card 2/2

MOSINETS, V.N.; PODOYHITSIN, Ye.M.; KLAPOVSKIY, V.Ye.

Main prerequisites for the creation of a working classification
of Bordu deposit rocks. Izv. AN Kir. SSR. Ser. est. i tekhn.
nauk 2 no.8:23-38 '60. (MIRA 13:12)
(Bordu region--Rocks)

KHANUKAYEV, Aleksandr Misanovich; BARANOV, Yevgeniy Gerasimovich; MOSINETS,
Vladimir Nikolayevich; MUKHIN, M.Ye., otv. red.; SEMIKINA, T.F.,
red. Izd-va; ANOKHINA, M.G., tekhn. red.

[Experimental study of breaking rock by blasting] Eksperimental'nye
issledovaniia protsessa razrushenia porod vzryvom. Frunze, Izd-vo
AN Kirgizskoi SSR, 1961. 133 p.
(Blasting)

BARANOV, Ye.G., kand.tekhn.nauk; MOSINETS, V.N., kand.tekhn.nauk

Practice of using simple explosives in working ore deposits.
Vzryv. delo no.47/4:112-117 '61. (MIRA 15:2)

1. Institut gornogo dela i metallurgii AN Kirgizskoy SSR.
(Explosives) (Ore deposits)

BARANOV, Ye.G., kand.tekhn.nauk; MOSINETS, V.N.; PODOYNITSYN, Ye.M.,
gornyy inzhener; KLAPOVSKIY, V.Ye., gornyy inzhener

Study of the parameters of large-scale blasting in Kirghiz
open-pit mine workings. Vzryv. delo no.50/7:131-141 '62.

(MIRA 15:9)

1. Institut gornogo dela i metallurgii AN Kirgizskoy SSR.
(Kirghizistan--Blasting)
(Rocks--Testing)

MOSINETS, Vladimir Nikolayevich; SEMIKINA, T.F., red.izd-va;
BARANOV, Ye.G., otv. red.; POPCOVA, M.G., tekhn.red.

[Energy producing and correlative linkages in the rock
breaking process by blasting] Energeticheskie i korrelia-
tsionnye sviazi protsesса razrusheniia porod vzryvom.
Frunze, Izd-vo AN Kir.SSR, 1963. 231 p. (MIRA 17:1)

ALYMKULOV, Zholdoshbek [deceased]; MOSINETS, V.N., otv. red.

[Physicomechanical properties of rocks in the mines of Kirghizia] Fiziko-mekhanicheskie svoistva porod rudnikov Kirgizii. Frunze, Ilim, 1965. 98 p.
(MIA 18:4)

VOSINETS, V.N., otv. red.

[Boring and blasting operations in hard rock. Burovzarynye raboty v krepkikh poroikakh. Frunze, Izdat. "Eks," 1965. 59 p.]

i. Akademiya nauk Kirgizskoy SSR, Frunze. In tishch fizicheskikh i mekhanicheskikh poved.

PUTKIN, Mikhail Yegorovich; SHETAKOV, Viktor Aleksandrovich;
YALIMOV, Nariman Galimovich; VOSNIKOV, Valerii Vasil'evich.

[Underground mining systems in Kirghizia] Sistemy podzemnoi razrabotki na rudnikakh Kirgizii. Frunze, Izd. vo "Jlim," 1969. 105 p.

MOSIN, V.N., kand. ekonomiceskikh nauk

At the Scientific Technological Society of the Instrument
Industry. Priborostroenie no.5:30-32 My '65.
(MIRA 18:5)

MOSINETS, V.N., kand. tekhn. nauk

Methods of controlling the rock breaking process during
blasting. Vzryv. delo no.57/14:26-40 '65.

(MIRA 18:11)

I. Institut fiziki i mekhaniki gornykh porod Kirgizskoy
Akademii nauk.

MOSIN, V.N., kand. ekonom. nauk; KHADZE, I.A., inzh.

Technical and economic efficiency of the standardization in
the instrument industry. Priborostroenie no.11:20-22 N '65.
(VISA 18:12)

MOSINETS, V.N.

Evaluation of new technological processes in mining on the
basis of the reliability theory. Fiz.-tekhn. probl. razrab.
pol. iskop. no.4:42-52 '65. (MIRA 19:1)

1. Institut fiziki i mekhaniki gornykh porod AN Kirgizskoy SSR,
Frunze. Submitted Dec. 30, 1964.

L 05909-67

ACC NR: AP6016784

(A)

SOURCE CODE: UR/0415/65/000/004/0042/0052
33
B

AUTHOR: Mosinets, V. N.

ORG: Institute of Physics and Mechanics of Rocks AN KirgSSR, Frunze (Institut fiziki i mehaniki gornykh porod AN KirgSSR)

TITLE: Use of reliability theory for evaluating new technological processes in mining

SOURCE: Fiziko-tehnicheskiye problemy razrabotki poleznykh iskopayemykh, no. 4,
1965, 42-52

TOPIC TAGS: reliability theory, mining engineering, reliability engineering

ABSTRACT: The author shows that the principles of reliability theory may be used for a comparative calculation of the feasibility of using new technological processes in mining. The best criterion for evaluating reliability in the mining industry is the probability of trouble-free operation of a given unit, system, etc. through a definite time interval. Perfection of the procedure and equipment for blast mining with an improvement in the qualitative indices by a factor of 2, 3, 4, 5, ..., n results in an extremely slow increase in the coefficient of reliability of the faces in the pit. Most of this increase takes place between improvement factors of 2-3. Since a change in the qualitative indices of blasting operations is ineffective in changing the reliability factor of the mining surface due to the impossibility of eliminating random

UDC: 622.01

Card 1/2

L 05902-67

ACC NR: AP6016784

phenomena and certain technical and economic difficulties, future improvement in these indices should be determined by economic and technical considerations and the reliability factor of the mining surface should be increased by using standby equipment in loading operations. Orig. art. has: 5 figures, 12 formulas.

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SUB CODE: ~~xxv~~ SUBM DATE: 30Dec64/ ORIG REF: 003

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Card 2/2

ACC NR: AR6030406

(A)

SOURCE CODE: UR/0124/66/000/006/V060/V060

AUTHOR: Mosinets, V. N.

TITLE: Criterion of the dynamic strength of rocks deformed by an explosion

SOURCE: Ref. zh. Mekhanika, Abs. 6V433

REF SOURCE: Tr. V Sessii Uch. soveta po narodnokhoz. ispol'z. vzryva. Frunze, Ilim, 1965, 242-248

TOPIC TAGS: shock wave, material deformation, seismic wave

TRANSLATION: On the basis of the energetic theory of strength, an expression is derived to determine the total resistance of a medium to destruction. The basic factor affecting the total resistance is taken to be the dynamic compressibility of the rock: the product of the square of the distribution rate of longitudinal waves and the density of the medium. It is established that the energy loss expended on destruction of the medium by an explosion is directly proportional to the dynamic compressibility of the medium. A description is given of results of experimental studies of the volume stress state of rock under deformation by an explosion. Analysis of the study shows that dynamic compressibility of rock may be considered an objective criterion for estimating the strength of rock properties; the strength of rock depends on the character of the stressed state to which the medium is subjected during deformation by an ex-

Card 1/2

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ACC NR: AR6030406

plosion; controlling the character of the stressed state makes it possible to reduce the strength properties of the medium and the energy losses in destroying it. V. V. Levin.

SUB CODE: 08,20

Card 2/2

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001135320011-4"

AC - NR: AR6030410

AUTHOR: Mosinets, V. N.

(A)

SOURCE CODE: UR/0124/00/000/000/

TITLE: The effectiveness of pulverizing rock in the exploding of high ledges in the Krivorozhsk GOK's

SOURCE: Ref. zh. Mekhanika, Abs. 6V445

REF SOURCE: Tr. v Sessii Uch. soveta po narodnokhoz. izpol'z. vzryva. Frunze, Ilim,

1965, 147-165

TOPIC TAGS: high explosive, explosive charge

TRANSLATION: Laboratory industrial experiments made it possible to establish that the duration of action of an explosive impulse on a rock mass may be increased by increasing the height of the ledge. In laboratory conditions experiments were made with glass models at heights of 90, 270, and 500 mm. Black powder was used as an explosive. Destruction of the models was recorded by a special photographic device. It is noted that in exploding high ledges in rock with a strength coefficient of 8-16, on Prof. M. M. Protod'yakonov's scale it is possible to reduce the escape of fractionated material of more than 400 mm in size by 5%. V. Baron.

SUB CODE: 13,19,08

Card 1/1

1. BOISING, J. S.
2. USSR (600)
4. Typhus Fever
7. Epidemiology of typhus fever, Mikrobiol. zhur., 14, No. 1, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April, 1963, (incl.).